



**FEDERAL AVIATION ADMINISTRATION
AIRWORTHINESS DIRECTIVES
SMALL AIRCRAFT, ROTORCRAFT, GLIDERS,
BALLOONS, & AIRSHIPS**

BIWEEKLY 2005-16

This electronic copy may be printed and used in lieu of the FAA biweekly paper copy.

U.S. Department of Transportation
Federal Aviation Administration
Regulatory Support Division
Delegation and Airworthiness Programs Branch, AIR-140
P. O. Box 26460
Oklahoma City, OK 73125-0460
FAX 405-954-4104

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;			
Biweekly 2005-01			
2004-26-09		Rolls-Royce Corporation	Engine: 250-B17, -B17B, -B17C, -B17D, -B17E, 250-C20, -C20B, -C20F, -C20J, -C20S, and -C20W Series Turboprop and Turboshaft
2004-26-11 2005-01-04	S 98-15-13	Bell Helicopter Textron Canada Raytheon Aircraft Company	Rotorcraft: 222, 222B, 222U, 230, 430 65-90, 65-A90, B90, C90, C90A, C90B, E90, F90, H90, 100, A100, A100-1, (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, C99
2005-01-10 2005-01-11	S 74-06-01	The New Piper Aircraft, Inc Pilatus Aircraft Ltd.	PA-23-235, PA-23-250, and PA-E23-250 PC-12 and PC-12/45
Biweekly 2005-02			
98-20-38 R1	R	Raytheon Aircraft Company	Beech 200 (A100-1 (U-21J)), Beech 200C, Beech 200CT, Beech 200T, Beech A200 (C-12A) or (C-12C), Beech A200C (UC-12B), Beech A200CT (C-12D), (FWC-12D), (RC-12D), (C-12F), (RC-12G), (RC-12H), (RC-12K), or (RC-12P), B200CT, and B200T
2005-01-14 2005-01-17 2005-01-18	S 2002-21-16 S 98-03-14 S 93-25-07	Bombardier-Rotax GmbH EXTRA Flugzeugbau GmbH Raytheon Aircraft Company	Engine: 912 F, 912 S, and 914 F Series Reciprocating EA-300 and EA-300/S A100-1 (U-21J), 200, B200, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (C-12D), A200CT (FWC-12D), A200CT (RC-12D), A200CT (C-12F), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12K), 200C, B200C, 200CT, 200T, B200C (C-12F), B200C (UC-12F), B200C (UC-12M), B200CT, 300, B300, B300C, and B300C
2005-01-19	S 2004-10-15	GARMIN International Inc	Appliance: GTX 33, GTX 33D, GTX 330, and GTX 330D Mode S Transponders
2005-02-01		The Lancair Company	LC40-550FG and LC42-550FG
Biweekly 2005-03			
2005-01-04	COR S 98-15-13	Raytheon Aircraft Company	65-90, 65-A90, B90, C90, C90A, E90, F90, H90, 100, A100, A100-1 (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, and C99
2005-01-18	COR S 93-25-07	Raytheon Aircraft Company	A100-1 (U-21J), 200, B200, A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT (C-12D), A200CT (FWC-12D), A200CT (RC-12D), A200CT (C-12F), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K), A200CT (RC-12P), A200CT (RC-12K), 200C, B200C, 200CT, B200CT, 200T, B200T, B200C (C-12F), B200C (UC-12F), B200C (UC-12M), B200CT, 300, B300C, and B300C
2005-02-11 2005-03-04	COR	Gippsland Aeronautics Pty. Ltd. Pacific Aerospace Corp., Ltd.	GA8 750XL
Biweekly 2005-04			
2005-01-04	COR S 98-15-13	Raytheon Aircraft Company	65-90, 65-A90, B90, C90, C90A, E90, F90, H90, 100, A100, A100-1 (RU-21J), B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T, 300, B300, B300C, 99, 99A, A99, A99A, B99, C99
2005-03-07 2005-03-08 2005-03-09		Bell Helicopter Textron Canada Eurocopter France Eurocopter France	Rotorcraft: 407 Rotorcraft: AS350B, BA, B1, B2, B3, C, D, D1, and EC130 B4 Rotorcraft: EC 155B, EC155B1, SA-360C, SA-365C, SA-365C1, SA-365C2, SA-365N, SA-365N1, AS-365N2, AS 365 N3, and SA-366G1
2005-03-10 2005-04-09	S 2002-08-54 S 2004-26-11	Bell Helicopter Textron Bell Helicopter Textron Canada	Rotorcraft: 222, 222B, 222U, and 230 Rotorcraft: 222, 222B, 222U, 230, and 430

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
--------	-------------	--------------	---------------

Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;

Biweekly 2005-05

2005-04-08		Hartzell Propeller Inc.	Propeller: HC-B3TN-5()/T10282()
2005-04-10		General Electric Company	Engine: CT58-140-1, CT58-140-2, and surplus military T58-GE-5, -10, -100, and "402 turboshaft
2005-04-16		Pilatus Aircraft Ltd.	PC-12 and PC-12/45
2005-05-51	E	Cessna Aircraft Company	402C and 414A
2005-05-52	E, S 2005-05-51	Cessna Aircraft Company	402C and 414A
2005-05-53	E	Cessna Aircraft Company	172R, 172S, 182T, and T182T
2005-05-53 R1	E, R, S 2005-05-53	Cessna Aircraft Company	172R, 172S, 182T, and T182T

Biweekly 2005-06

2005-05-14		Eagle Aircraft (Malaysia)	Eagle 150B
2005-05-15		Honeywell International Inc.	Engine: TFE731-2 and -2C series, and TFE731-3, -3A, -3AR, -3B, -3BR, and -3R series turbosfan
2005-06-01		Eurocopter France	Rotorcraft: EC 155B and EC 155B1

Biweekly 2005-07

2005-05-52	FR, S 2005-05-51 and 2000-23-01	Cessna	402C and 414A
2005-05-53 R1	R, 2005-05-53	Cessna	172R, 172S, 182T, and T182T
2005-06-13	S 99-0602	Fairchild Aircraft, Inc.	SA226-AT, SA226-TC, SA226-T, SA226-T(B), SA227-TT, SA227-TT(300), SA227-AC, SA227-AT, SA227-BC, and SA227-CC/DC
2005-07-01		Cessna	208 and 208B

Biweekly 2005-08

83-08-01 R2	R, S 83-08-01 R1	Hartzell Propeller Inc.	Propeller: HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, and HC-B5MP-3 turbopropellers
2005-07-01	COR	Cessna	208 and 208B
2005-07-27	S 2000-18-04	Aviointeriors S.p.A.	Appliance: Model 312 Seats

Biweekly 2005-09

2005-08-06		Centrair	Glider: 101, 101A, 101AP, and 101P
2005-08-07		Pilatus Aircraft Limited	Sailplane: B4-PC11, B4-PC11A, and B4-PC11AF
2005-08-12		Centrair	Glider: 101, 101A, 101AP, and 101P
2005-08-13		Glaser-Dirks Flugzeugbau GmbH	Sailplane: DG-800B
2005-08-14		LET a.s.	Sailplane: Blanik L-13 AC
2005-09-51	E	Turbomeca S.A.	Engine: Arrius 2F Turboshaft

Biweekly 2005-10

2004-25-16 R1	R, 2004-25-16	Kelly Aerospace Power Systems	Appliance: Fuel regulator shutoff valve
2005-08-06	COR	Centrair	Glider: 101 Series
2005-09-05		Eurocopter France	Rotorcraft: EC120B
2005-09-06		Agusta S.p.A.	Rotorcraft: A119
2005-09-07		Agusta S.p.A.	Rotorcraft: A109E

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;			
Biweekly 2005-11			
2005-09-51	FR	Turbomeca S.A.	Engine: Arrius 2F turboshaft
2005-10-12		Schweizer Aircraft Corporation	Rotorcraft: 269C, C-1, and D
2005-10-13		Rolls-Royce Corporation	Engine: 250-B17B, -B17C, -B17D, -B17E, -C20, -C20B, -C20F, -C20J, -C20S, and -C20W turboprop and turboshaft
2005-10-14	S 2004-01-51	Eurocopter France	Rotorcraft: AS355E, F, F1, F2, and N
2005-10-23		DG Flugzeugbau GmbH and Glaser-Dirks Flugzeugbau GmbH	Glider: DG-500MB and DG-800B
2005-10-24	S 2003-14-20	AeroSpace Technologies of Australia Pty. Ltd.	N22B, N22S and N24A
2005-11-01		Turbomeca S.A.	Engine: Arrius 1A turboshaft
Biweekly 2005-12			
2005-11-05		Precise Flight, Inc.	Appliance: Standby vacuum system (SVS)
2005-11-06		Pilatus Aircraft Ltd.	PC-12 and PC-12/45
2005-11-07		Extra Flugzeugproduktions-Und Vertriebs-GmbH	EA-300, EA-300S, ES-300L, and EA-300/200
2005-11-08		GROB-WERKE	G120A
2005-12-01		Agusta S.p.A.	Rotorcraft: A109E
2005-12-02	S 98-10-12	Revo, Incorporated	Colonial C-2, Lake LA-4, Lake LA-4A, Lake LA-4P, and Lake LA-4-200
2005-12-51	E	Rockwell International and Autair Ltd.	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7, and T-6G
Biweekly 2005-13			
2005-12-03		Sikorsky Aircraft Corporation	Rotorcraft: S-92A
2005-12-06	S 96-12-07	Teledyne Continental Motors	Appliance: S-20, S-1200, D-2000, and D-3000 Series Magnetos
2005-12-08		Turbomeca S.A.	Engine: Arrius 2 B1, 2 B1A, 2 B1A-1, and 2 B2 turboshaft
2005-12-09		Grob-Werke	G120A
2005-12-12	S 79-10-15	Cessna Aircraft Company	401, 401A, 401B, 402, 402A, 402B, 411, and 411A
2005-12-13	S 2005-05-52	Cessna Aircraft Company	402C and 414A
2005-12-20		The Lancair Company	LC41-550FG
2005-12-51	FR	Rockwell International	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7, and T-6G
2005-13-01	S 2004-18-01	Hoffmann Propeller GmbH & Co KG	Propeller: HO-V343 and HO-V343K
2005-13-07		Honeywell International Inc.	Engine: TFE731-2 and -3 series turbofan
2005-13-09		GROB-WERKE	G120A
2005-13-10		Cessna Aircraft Company	172R, 172S, 182T, T182T, 206H, T206H
2005-13-11		General Electric Company	Engine: CT64-820-4 turboprop
2005-13-12		Air Tractor, Inc.	AT-300, AT-301, AT-302, AT-400, and AT-400A, AT-401/AT-402, AT-602, AT-802 and AT-802A
2005-13-13		Sikorsky Aircraft Corporation	Rotorcraft: S-92A
2005-13-16	S 93-24-14	The New Piper Aircraft, Inc.	PA-34-200, PA-34-200T, and PA-34-220T
2005-13-17		Agusta. S.p.A.	Rotorcraft: AB412 Series
2005-13-23	S 2003-18-03	Eurocopter France	Rotorcraft: EC 155B, EC155B1, SA-365N, SA-365N1, AS-365N2, and AS 365 N3
2005-13-25		Turbomeca S.A.	Engine: Arriel 2B
Biweekly 2005-14			
2005-12-12	COR	Cessna	401, 401A, 401B, 402, 402A, 402B, 411, and 411A
2005-12-20	COR	Lancair Company	LC41-550FG

SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS

AD No.	Information	Manufacturer	Applicability
--------	-------------	--------------	---------------

Info: E - Emergency; COR - Correction; S - Supersedes; R - Revision; - See AD for additional information;

Biweekly 2005-15

2005-12-51	COR	Rockwell International	AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), BC-1A, Harvard (Army AT-16), SNJ-7, and T-6G
2005-14-11		Hartzell Propeller, Inc., McCauley Propeller, Sensenich Propeller	Propeller: See AD
2005-14-12		Hartzell Propeller	Propeller: HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3

Biweekly 2005-16

2005-15-10		New Piper Aircraft	PA-34-200T, PA-34-220T, PA-44-180, and PA-44-180T
------------	--	--------------------	---

**ROCKWELL INTERNATIONAL
AIRWORTHINESS DIRECTIVE
SMALL AIRCRAFT, ROTORCRAFT, GLIDERS, BALLOONS, & AIRSHIPS**

2005-15-10 The New Piper Aircraft, Inc.: Amendment 39-14199; Docket No. FAA-2005-21590; Directorate Identifier 2005-CE-33-AD.

When Does This AD Become Effective?

(a) This AD becomes effective on August 26, 2005.

Are Any Other ADs Affected By This Action?

(b) This AD supersedes AD 2003-11-14, Amendment 39-13173.

What Airplanes Are Affected by This AD?

(c) This AD applies to the following airplane models and serial numbers that are certificated in any category, equipped with a model 91E92-1 or model 91E93-1 aircraft heater fuel pump:

(1) Group 1: The New Piper Aircraft, Inc. airplanes retained from AD 2003-11-14:

Model	Serial Nos.
PA-34-200T	34-7570002 through 34-8170092.
PA-34-220T	34-8133002 through 3449278.
PA-44-180	44-7995001 through 4496168.
PA-44-180T	44-8107001 through 44-8207020.

(2) Group 2: The New Piper Aircraft, Inc. airplanes (not included in AD 2003-11-14) added to the applicability of this AD:

Model	Serial Nos.
PA-34-220T	3449279 through 3449309.
PA-44-180	4496169 through 4496190.

What Is the Unsafe Condition Presented in This AD?

(d) This AD is the result of an investigation that concluded that after issuance of AD 2003-11-14, additional fuel pumps that did not meet the quality control (inspection or design) requirements of the AD were installed in Models PA-34-220T and PA-44-180 airplanes. We are issuing this AD to correct quality control problems with the heater fuel pump, which could result in failure of the heater fuel pump. Such failure could lead to fire or explosion in the cockpit.

What Must I Do To Address This Problem?

(e) What actions must I do to address this problem for Group 1 airplanes? To address this problem for Group 1 airplanes, you must do the following:

Actions	Compliance	Procedures
(1) Visually inspect any installed aircraft heater fuel pump (model 91E92-1 or model 91E93-1 for leakage.	Within the next 10 hours time-in-service (TIS), after June 20, 2003 (the effective date of AD 2003-11-14), unless already done.	Follow The New Piper Aircraft, Inc. Service Bulletin No. 1127, dated February 26, 2003, and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110A, dated March 6, 2003.
(2) If any leak is found, inspect the pump sealing surface for abnormalities (for example, nicks, gouges, or warping). Correct any abnormality found. If any abnormality cannot be corrected, replace the header fuel pump.	Before further flight after the inspection required in paragraph (e)(1) of this AD.	Follow The New Piper Aircraft, Inc. Service Bulletin No. 1127, dated February 26, 2003, and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110A, dated March 6, 2003.
(3) Do not install any heater fuel pump (model 91E92-1 or model 91E93-1) unless you have visually inspected the pump for leakage and corrected any abnormalities specified in paragraph (e)(2) of the AD.	As of June 20, 2003 (the effective date of AD 2003-11-14).	Follow The New Piper Aircraft, Inc. Service Bulletin No. 1127, dated February 26, 2003, and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110A, dated March 6, 2003.

(f) What actions must I do to address this problem for Group 2 airplanes? To address this problem for Group 2 airplanes, you must do the following:

Actions	Compliance	Procedures
(1) Visually inspect any installed aircraft heater fuel pump (model 91E92-1 or model 91E93-1) for leakage.	Within the next 10 hours time-in-service (TIS), after August 26, 2005 (the effective date of this AD), unless already done.	Follow The New Piper Aircraft, Inc. Service Bulletin No. 1127B, dated April 18, 2005, and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110B, dated December 20, 2004.
(2) If any leak is found, inspect the pump sealing surface for abnormalities (for example, nicks, gouges, or warping). Correct any abnormality found. If any abnormality cannot be corrected, replace the heater fuel pump.	Before further flight after the inspection required in paragraph (f)(1) of this AD.	Follow The New Piper Aircraft, Inc. Service Bulletin No. 1127B, dated April 18, 2005, and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110B, dated December 20, 2004.

(3) Do not install any heater fuel pump (model 91E92-1 or model 91E93-1) unless you have visually inspected the pump for leakage and corrected any abnormalities specified in paragraph (f)(2) of this AD.	As of August 26, 2005 (the effective date of this AD).	Follow The New Piper Aircraft, Inc. Service Bulletin No. 1127B, dated April 18, 2005, and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110B, dated December 20, 2004.
--	--	--

May I Request an Alternative Method of Compliance?

(g) You may request a different method of compliance or a different compliance time for this AD by following the procedures in 14 CFR 39.19. Unless FAA authorizes otherwise, send your request to your principal inspector. The principal inspector may add comments and will send your request to the Manager, Atlanta Aircraft Certification Office (ACO). For information on any already approved alternative methods of compliance, contact Hector Hernandez, Aerospace Engineer, FAA, Atlanta Aircraft Certification Office, One Crown Center, 1895 Phoenix Boulevard, Suite 450, Atlanta, Georgia 30349; telephone: (770) 703-6069; facsimile: (770) 703-6097.

Does This AD Incorporate Any Material by Reference?

(h) You must do the actions required by this AD following the instructions in The New Piper Aircraft, Inc. Service Bulletin No. 1127, dated February 26, 2003; The New Piper Aircraft, Inc. Service Bulletin No. 1127B, dated April 18, 2005; Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110A, dated March 6, 2003; and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110B, dated December 20, 2004.

(1) On June 20, 2003 (68 FR 33356, June 4, 2003), and in accordance with 5 U.S.C. 552(a) and 1 CFR part 51, the Director of the Federal Register approved the incorporation by reference of The New Piper Aircraft, Inc. Service Bulletin No. 1127, dated February 26, 2003, and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110A, dated March 6, 2003.

(2) As of August 26, 2005, and in accordance with 5 U.S.C. 552(a) and 1 CFR part 51, the Director of the Federal Register approved the incorporation by reference of The New Piper Aircraft, Inc. Service Bulletin No. 1127B, dated April 18, 2005, and Kelly Aerospace Power Systems Service Information Letter Bulletin No. A-110B, dated December 20, 2004.

(3) To get a copy of this service information, contact The New Piper Aircraft, Inc., Customer Services, 2926 Piper Drive, Vero Beach, Florida 32960; telephone: (772) 567-4361; facsimile: (772) 978-6584. To review copies of this service information, go to the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html or call (202) 741-6030. To view the AD docket, go to the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-001 or on the Internet at <http://dms.dot.gov>. The docket number is FAA-2005-21590; Directorate Identifier 2005-CE-33-AD.

Issued in Kansas City, Missouri, on July 14, 2005.

John R. Colomy,
Acting Manager, Small Airplane Directorate, Aircraft Certification Service.
[FR Doc. 05-14389 Filed 7-25-05; 8:45 am]
BILLING CODE 4910-13-P